

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	487	(600/144,146,147).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/04/20 09:38
L6	415	(600/139,149).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/04/20 09:46
L7	1	((control or "control mechanism") and endoscope and handle and shaft and flexible and (distal or "distal end") and (sensor or CCD or CMOS or "image sensor") and frame and first and second and transmission and device and adjustment and knob and pinion and rotat\$4 and fixed and actuat\$3 and coaxial and "pinion shaft" and (intermediate or "intermediate shaft") and partial\$3 and inside and around and reduc\$3 and (torque or "torque transmission") and axial\$3 and (unrestrain\$3 or "not restrained") and (bearing or "ball bearing") and relativ\$3)	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/20 09:59
S5	1119	(600/129,137,139,144,146,149).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/12/18 13:11
S11	161	"flexible endoscope" with (control or "control handle" or "control mechanism")	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2007/12/18 13:14
S12	17	S11 and "fixed shaft"	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2007/12/18 13:12
S13	2	S11 and ("ball bearings")	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2007/12/18 13:13
S14	18	S11 and (O-ring)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2007/12/18 13:13
S15	18772	"ball bearings" with shaft	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 12:56
S16	42	S15 and endoscope	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 12:56
S17	109	"ball bearing" with (first and second and additional)	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 13:15

S18	602	"first ball bearing" and "second ball bearing"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 13:34
S19	50	S18 and "rotary shaft"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 13:35
S20	222	(600/106).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 13:40
S21	170	(600/131).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 13:43
S22	66	(600/137).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 13:49
S23	316	(600/139).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 13:53
S24	398	(600/146).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 14:04
S25	13	(600/147).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 14:18
S27	84	(600/149).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 14:31
S28	1120	(600/106,131,137,139,146,147,149).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 14:34
S29	24	S28 and ("ball bearing" or "roller bearing" or "ball bearing")	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 14:35
S33	160	"ball bearing" with "Pinion shaft"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 15:11
S34	4	("first pinion shaft" with "second pinion shaft") and ("ball bearing" or "roller bearing")	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 15:29
S37	1	("first pinion shaft" with "second pinion shaft" with ("intermediate shaft" or "intermediate sleeve"))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 16:16
S38	104	("first shaft" with "second shaft" with ("intermediate shaft" or "intermediate sleeve"))	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 16:16

S40	13	S38 and "ball bearing"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 16:17
S42	97	("first shaft" with "second shaft" with ("intermediate shaft" or "intermediate sleeve")) and rotat\$3	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/26 16:19
S44	63	"ball bearing" with "two shafts"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/27 10:20
S45	88	"ball bearing" with ("first shaft" and "second shaft")	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/27 10:21
S46	429	"relative rotation" with "ball bearing"	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/27 10:27
S47	11	S46 and ("first shaft" with "second shaft")	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/06/27 10:27
S50	135954	(endoscope or flouroscope or colonoscope or fiberscope or laparoscope or arthroscope or resectoscope or ureterscope or catheter)	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/03 14:37
S52	99597	S50 and (control or "control section" or manipulat\$3 or knob)	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/03 14:38
S53	27892	S52 and (bend\$3 or deflect\$3 or actuat\$3)	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/03 14:39
S54	13886	S53 and (knob or gear\$3 or ratchet or transmission)	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/03 14:40
S55	12640	S54 and (rotat\$4 or turn\$3)	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/03 14:41
S59	3392	S55 and bearing	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/03 14:43
S60	242	S59 and ((wheel or knob) with ((first and second) or (primary and secondary)))	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/03 14:43
S61	55	S60 and pinion	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/03 14:44
S63	147433	"control mechanism"	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:38

S64	8736	S63 and ((shaft or pinion) with (inner and outer))	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:38
S65	7316	S64 and ("ball bearings" or bearings or rollers)	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:39
S66	2	S65 and "cross-coupling"	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:39
S67	2417	S65 and torque	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:39
S68	2405	S65 and ((shaft or pinion) with (intermediate or middle))	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:40
S69	832	S68 and torque	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:40
S70	9703	S63 and ((knob or wheel or handle) with (first and second))	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:42
S71	1393	S70 and ((shaft or pinion) with (inner and outer))	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:42
S72	1155	S71 and ("ball bearings" or bearings or rollers)	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:42
S73	467	S72 and ((shaft or pinion) with (intermediate or middle))	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:43
S74	182	S73 and torque	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 10:43
S76	10652	"cross-coupling"	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/06 11:03
S77	6	S76 and ("intermediate pinion" or "intermediate shaft")	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/06 11:04
S78	6147	"fishing reel"	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 11:19
S80	81398	"power transmission"	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 11:19

S81	113	S80 and ("cross-coupling" or "cross coupling")	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 11:20
S82	87468	("fishing reel" or "power transmission")	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 11:22
S83	32	S82 and (("inner shaft" or "inner pinion") and ("intermediate shaft" or "intermediate pinion") and ("outer shaft" or "outer pinion"))	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 11:24
S84	147433	"control mechanism"	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 11:41
S85	9703	S84 and ((knob or wheel or handle) with (first and second))	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 11:41
S86	1393	S85 and ((shaft or pinion) with (inner and outer))	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 11:41
S87	1155	S86 and ("ball bearings" or bearings or rollers)	US-PGPUB; USPAT; USOCR; EPO	AND	ON	2009/04/06 11:41

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